

PATENT ABSTRACTS OF JAPAN

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(21)Application number : **09-042944** (71)Applicant : **CATALYSTS & CHEM IND CO LTD**

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(54) NAIL COSMETIC PREPARATION

(57)Abstract:

PROBLEM TO BE SOLVED: To form a nail coating with sufficient hardness, excellent gloss and luster.

SOLUTION: This nail cosmetic preparation is a blend of a film forming agent, a solvent and ultra-fine powder of an inorganic compound with the mean particle size of 1 to 100nm. As the ultra-fine powder of inorganic compound, ultra-fine silica powder or ultra-fine powder of inorganic compound with the refractive index of 1.8 or more is blended. Ultra-fine powder of inorganic oxides including titanium oxide is preferable as the ultra-fine powder of inorganic compound with the refractive index of 1.8 or more. The ultra-fine inorganic powder is preferably blended in an amount of 2 to 80wt.% based on the weight of the coating film component including the ultra-fine powder.

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2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] The charge for nails of makeup characterized by blending a coat formation agent, a solvent, and an inorganic compound particle with a mean particle diameter of 1-100nm.

[Claim 2] The charge for nails according to claim 1 of makeup characterized by said inorganic compound particle being a silica particle.

[Claim 3] The charge for nails according to claim 1 of makeup characterized by the refractive index of said inorganic compound particle being 1.8 or more.

[Claim 4] The charge for nails according to claim 3 of makeup characterized by being the inorganic oxide particle in which said inorganic compound particle contains titanium oxide.

[Claim 5] The charge for nails according to claim 4 of makeup which the inorganic oxide particle containing said titanium oxide adds a hydrogen peroxide to the dispersion liquid containing a titanium oxide hydrate, considers as a uniform water solution, and is characterized by being the particle obtained by heating this water solution.

[Claim 6] The charge for nails according to claim 4 of makeup which the inorganic oxide particle containing said titanium oxide adds a hydrogen peroxide to the dispersion liquid containing a titanium oxide hydrate, considers as a uniform water solution, and is characterized by being the particle obtained by heating this water solution under coexistence of the inorganic compound of elements other than titanium.

[Translation done.]